

**CLAIMS**

1. Specialised mobile terminal (1) suitable for being used in a mobile telecommunications network (2) comprising:
  - 5 - an RF circuit (12) capable of performing pre-determined functions and exchanging data with said network (2);
    - a control circuit (12, 13, 14) associated to the RF circuit (12) and able of controlling the functions of the RF circuit (12) and of exchanging data measured by
  - 10 said RF circuit with said network through said RF circuit (12);
    - characterised in that
      - said control circuit (12, 13, 14) comprises control commands able
    - 15 - of permitting said network (2) to recognise and call the specialised terminal (1); and
      - of automatically transmitting to said network (2) in reply to said call the data measured in order to determine the position of the specialised terminal (1).
  - 20 2. Specialised terminal (1) as per claim 1, characterised in that
    - said control commands of said control circuit (12, 13, 14) can be activated by means of signals transmitted by said network (2) to said mobile terminal (1) under direct
  - 25 3. Specialised terminal as per claim 2 characterised by a device identification number associated to the user terminal and enabled to request and automatically receive the determined position of the specialised terminal (1).
  - 30 4. Specialised terminal (1) as per claim 1 or 2, characterised by
    - an activation element associated to the specialised Terminal (1) and capable of activating said control commands.

5. Specialised terminal (1) a per claim 4 characterised by

- a displaying element associated to the specialised terminal (1) and capable of displaying the position of  
5 the specialised terminal identified by said network (2).

6. Specialised terminal (1) as per one of the previous claims characterised in that:

- said pre-determined functions comprise the measuring of electromagnetic field and cell identifiers; and in that

10 - said control commands comprise the transmission of messages or signals containing said electromagnetic field measurements and cell identifiers.

7. Specialised terminal (1) as per one of the previous claims characterised in that said control circuit (12,  
15 13, 14) comprises at least:

- a programmable logic (12, 13); and/or

- an identification card, which can be programmed and associated to said specialised terminal (1).

8. System for determining the position of mobile  
20 terminals comprising

- a mobile telecommunication network (2) having devices able to locate terminals; and

- terminals able of exchanging data measured by the terminals with said network (2);

25 characterised in that

- said network (2) comprises devices able to recognise and call a mobile specialised terminal (1) and determine the position of the specialised terminal (1); and in that

30 - said specialised terminal (1) is able of automatically transmitting to said network (2) in reply to said call the data measured in order to permit said network (2) to determine the position of the specialised terminal (1).

9. System as per claim 8 characterised in that said specialised terminal (1) comprises a device

identification number associated to a user terminal connected to the network (2) and enabled to request and automatically receive the determined position of the specialised terminal (1).

5 10. Method for determine the position of a specialised terminal (1) connected to a mobile telecommunication network (2),

characterised by the following steps

- requesting by a user terminal the position of the

10 specialised terminal (1);

- validating through said network (2) the user request,

- recognising and calling on the basis of said request the specialised terminal (1); and

- determining the position of the specialised terminal

15 (1) on the basis of data measured and sent by said terminal (1) to said network (2) in reply to said call.